

Fig. 1

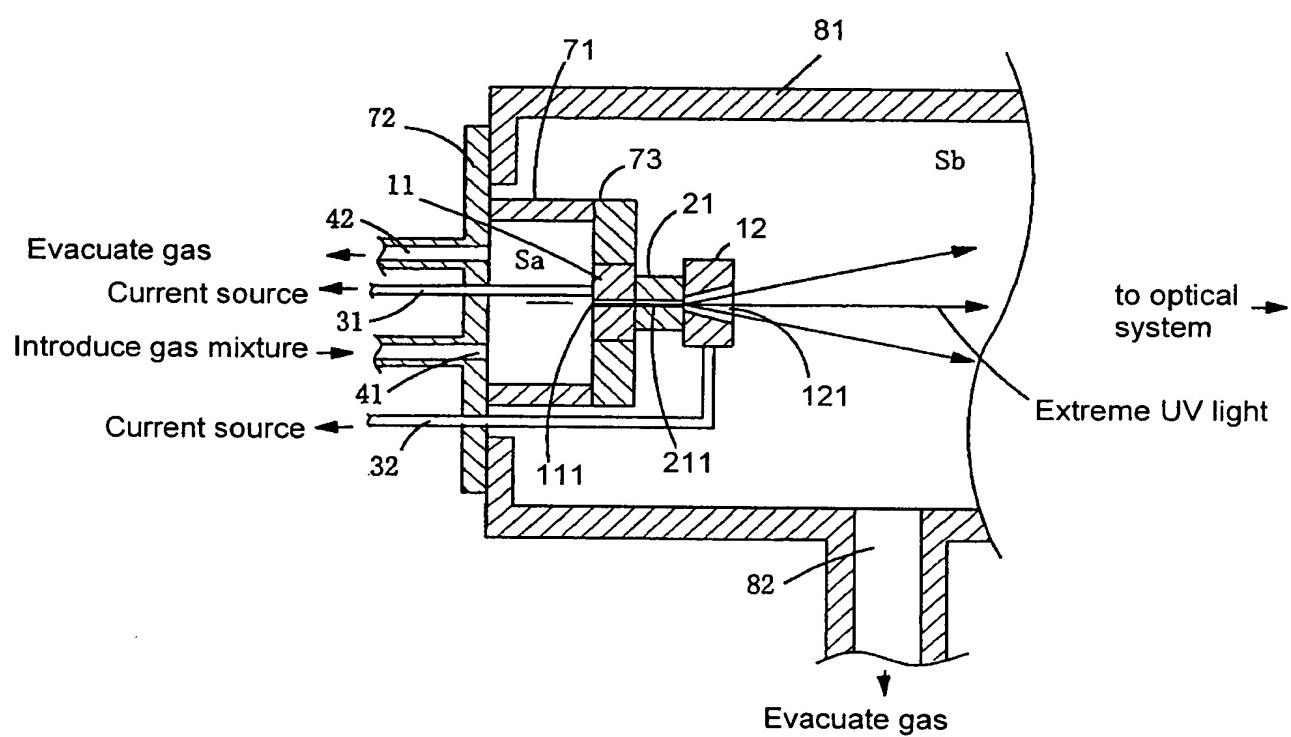
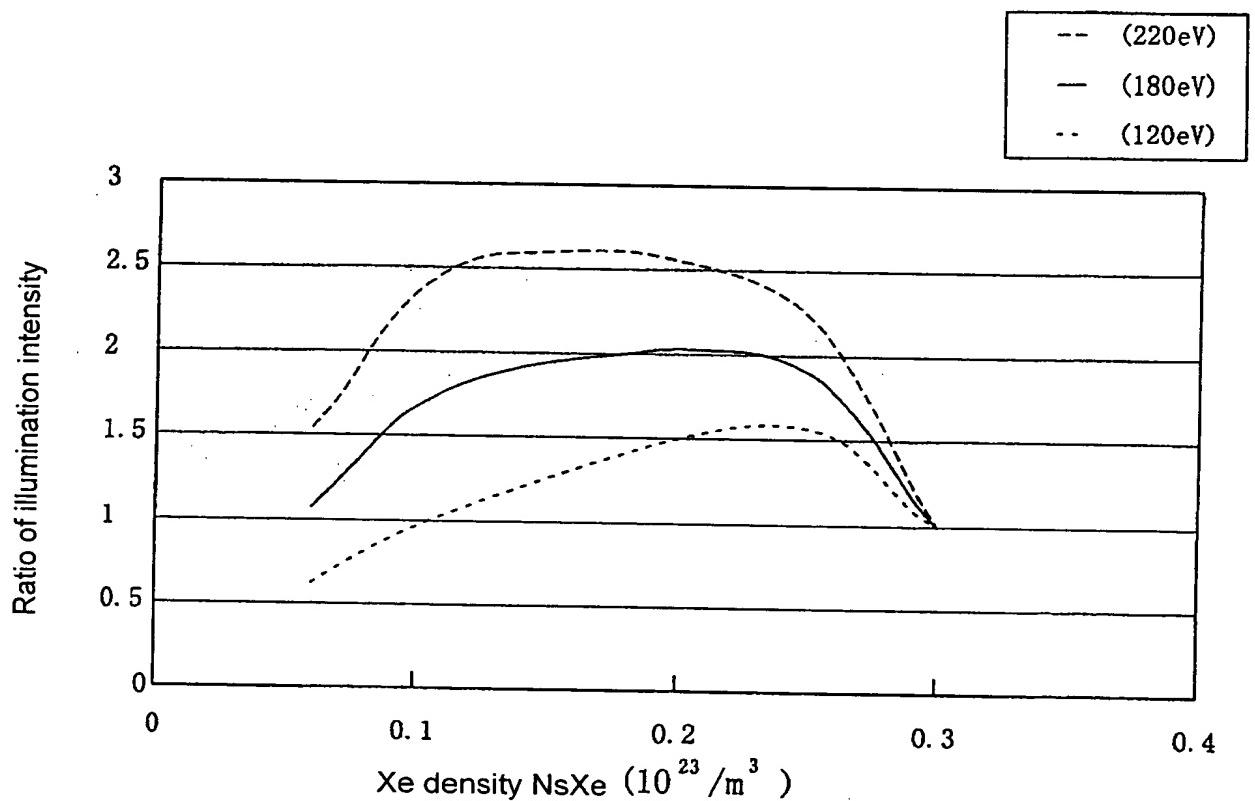


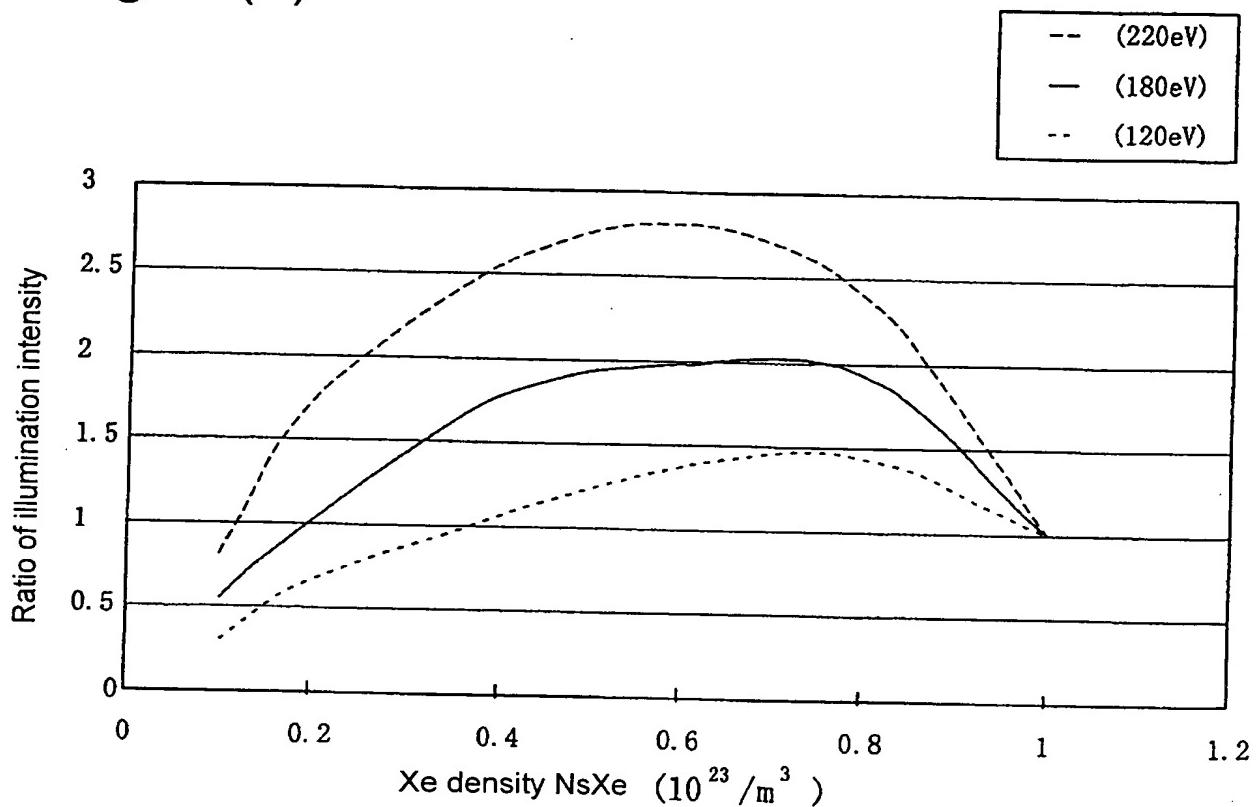
Fig. 2 (a)

Unit of gas density: $10^{23} / m^3$

N_{sKr}	0	1.064	3.191	4.253
N_{sXe}	0.3	0.24	0.12	0.06
220eV	1	2.36	2.55	1.54
180eV	1	1.98	1.84	1.08
120eV	1	1.6	1.1	0.63

Fig. 2 (b)

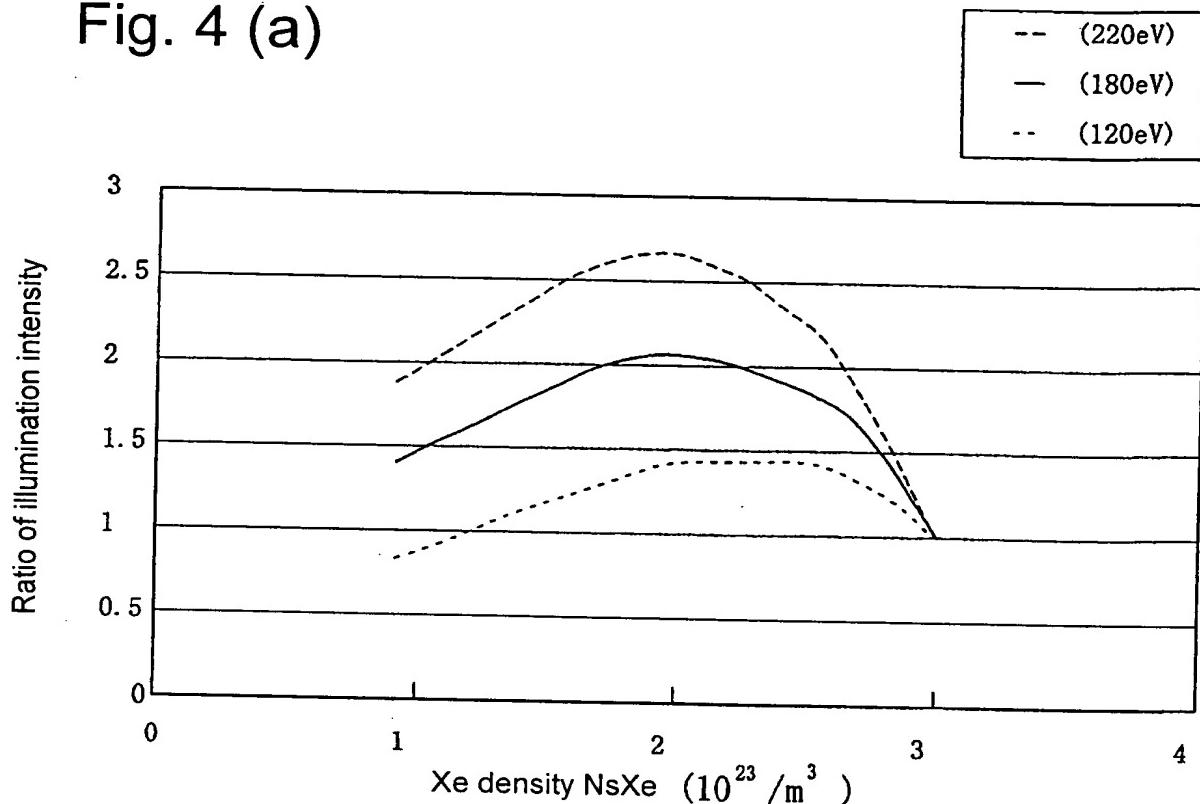
Fig. 3 (a)

Unit of gas density: $10^{23}/m^3$

N_{sKr}	0	3.545	7.09	10.64	14.18	15.95
N_{sXe}	1	0.8	0.6	0.4	0.2	0.1
220eV	1	2.4	2.83	2.58	1.74	0.83
180eV	1	1.94	2	1.8	1.04	0.56
120eV	1	1.45	1.39	1.08	0.68	0.32

Fig. 3 (b)

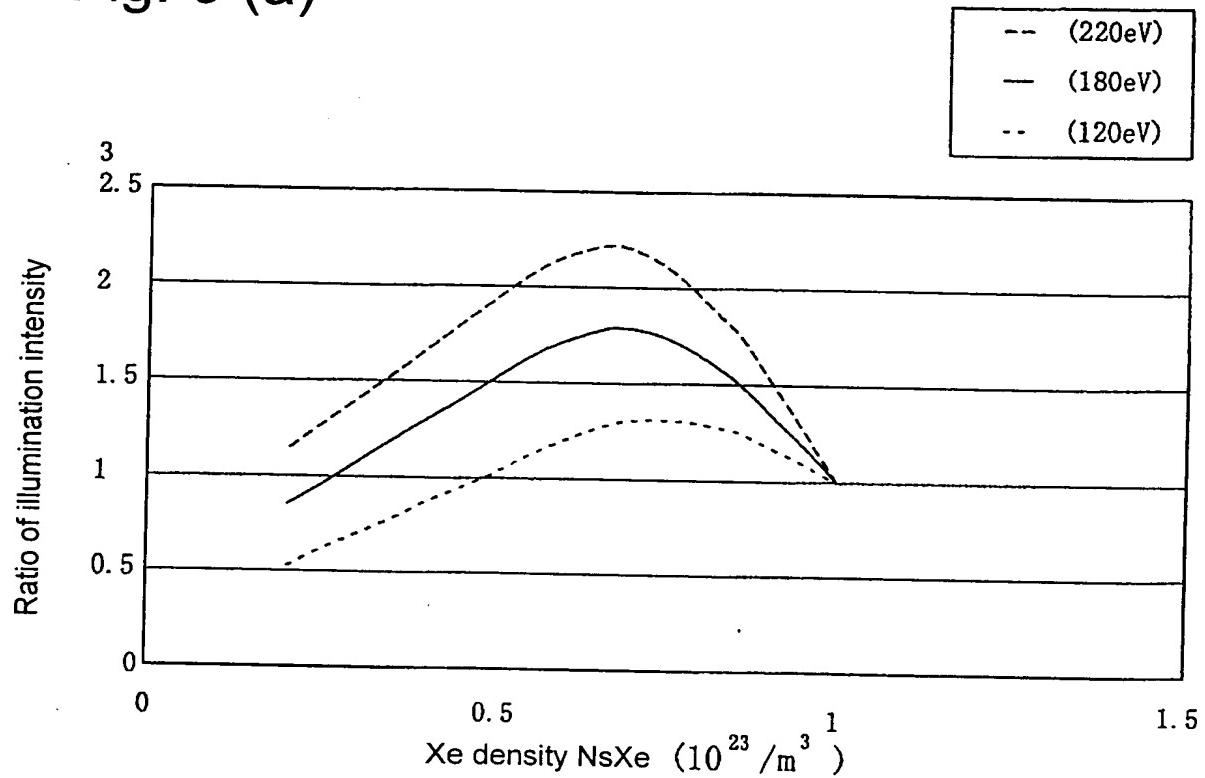
Fig. 4 (a)

Unit of gas density: $10^{23} / m^3$

N_{sKr}	0	$5.318 \times 10^{23} / m^3$	$10.635 \times 10^{23} / m^3$	$21.27 \times 10^{23} / m^3$	$37.23 \times 10^{23} / m^3$
N_{sXe}	3	2.7	2.4	1.8	0.9
220eV	1	1.8	2.36	2.68	1.92
180eV	1	1.62	1.91	2.06	1.42
120eV	1	1.33	1.44	1.36	0.84

Fig. 4 (b)

Fig. 5 (a)

Unit of gas density: $10^{23}/m^3$

N_{sKr}	0	2.88	5.76	11.52
N_{sXe}	1	0.8	0.6	0.2
220eV	1	1.94	2.17	1.15
180eV	1	1.64	1.73	0.85
120eV	1	1.29	1.21	0.52

Fig. 5 (b)

Fig. 6

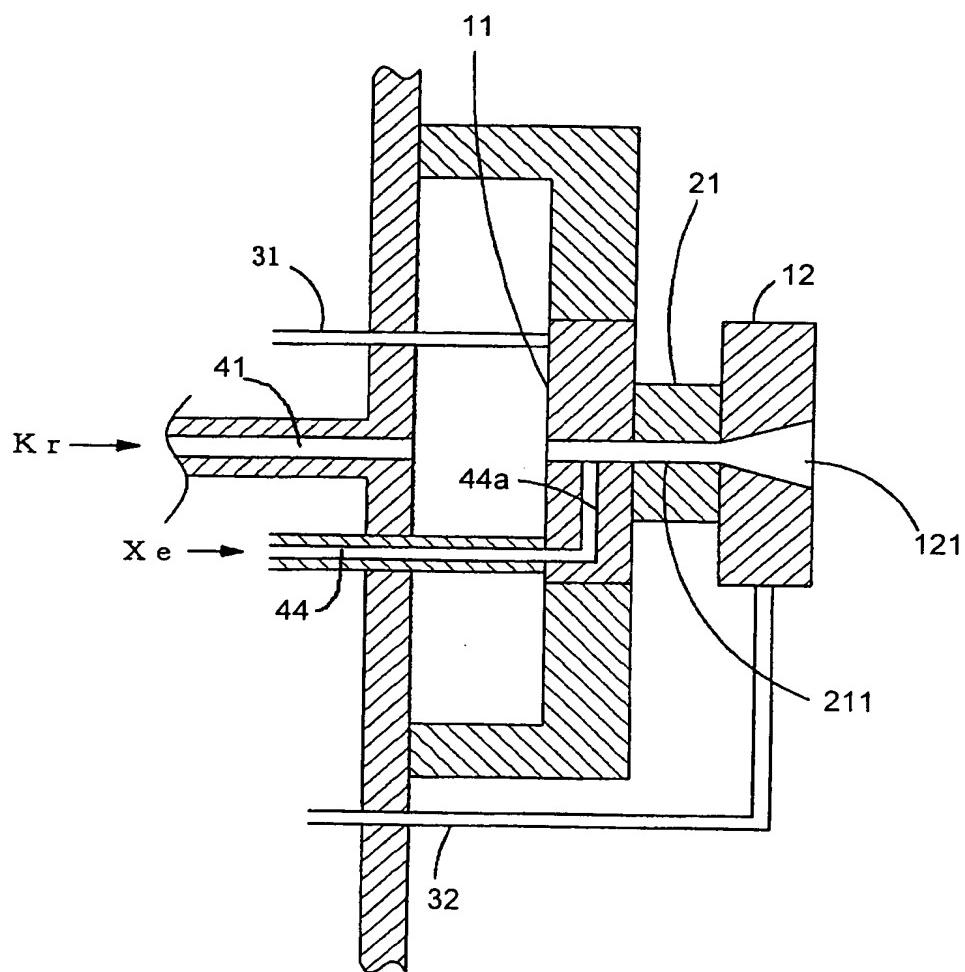


Fig. 7

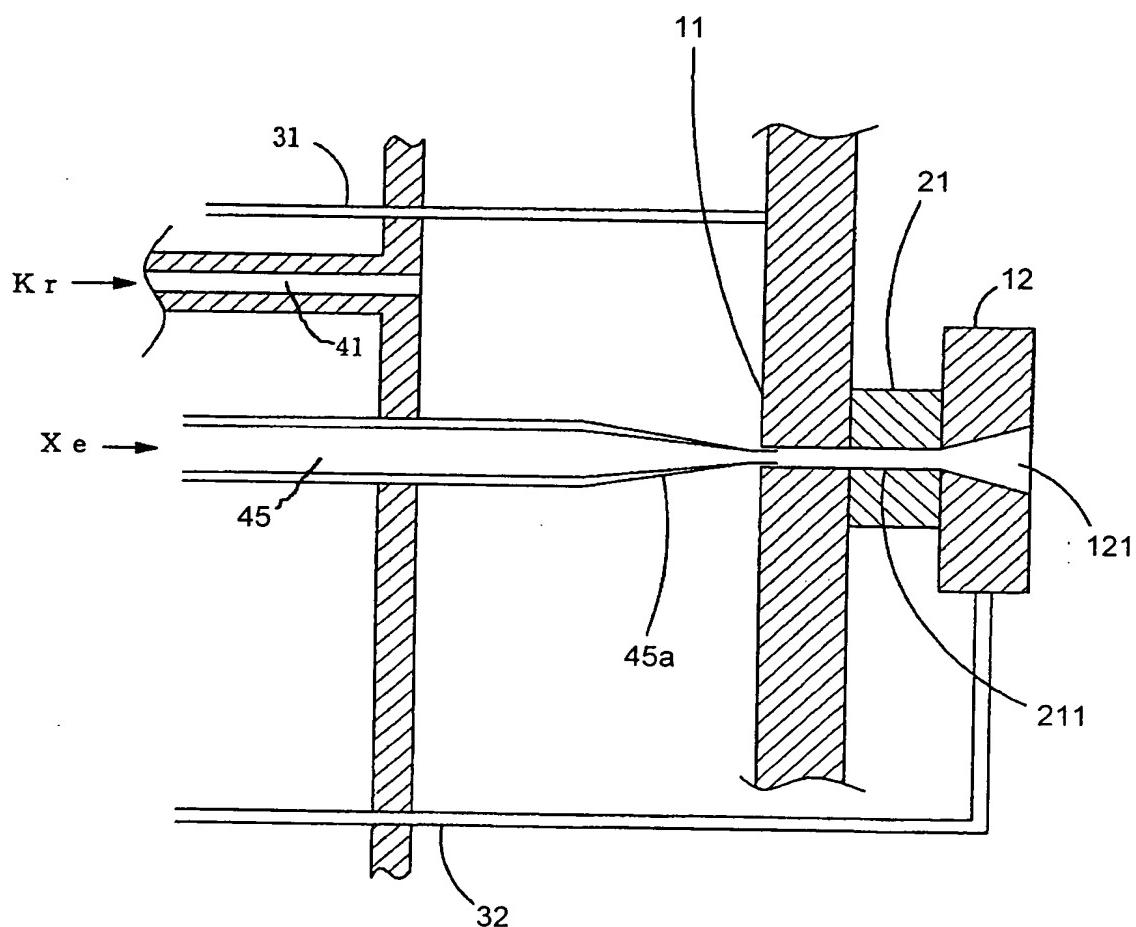


Fig. 8

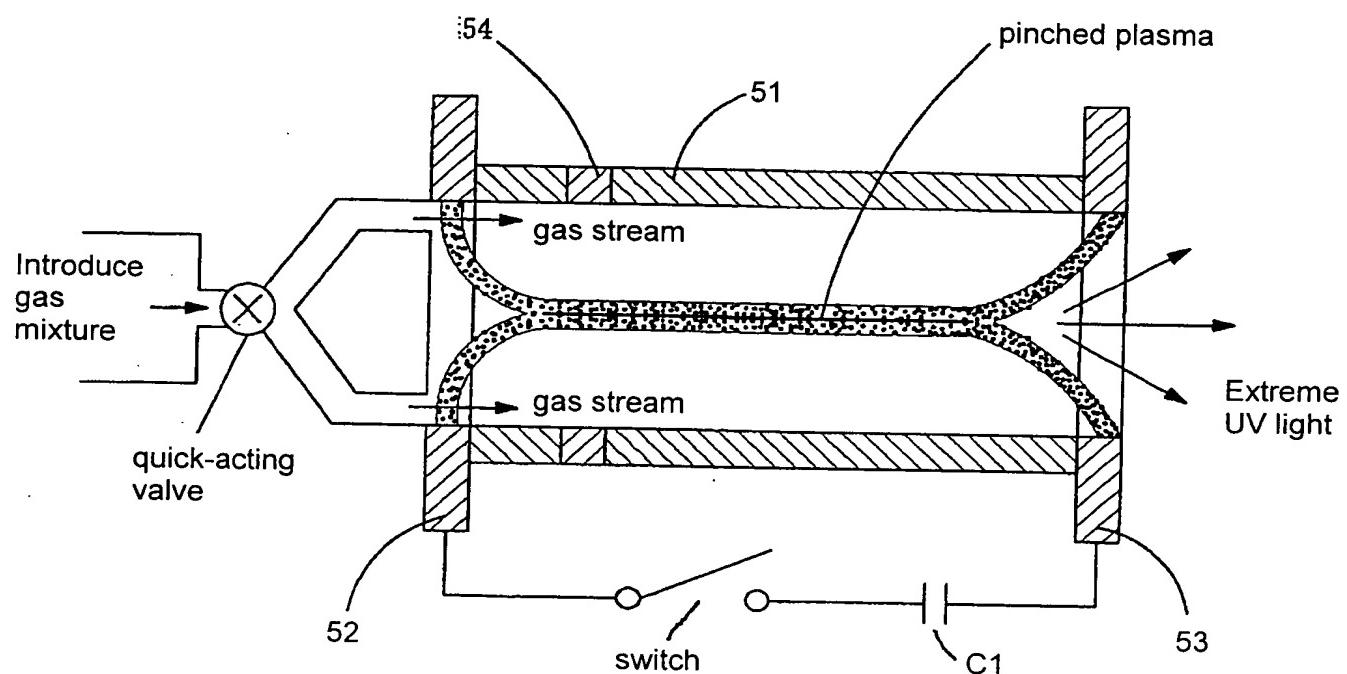


Fig. 9

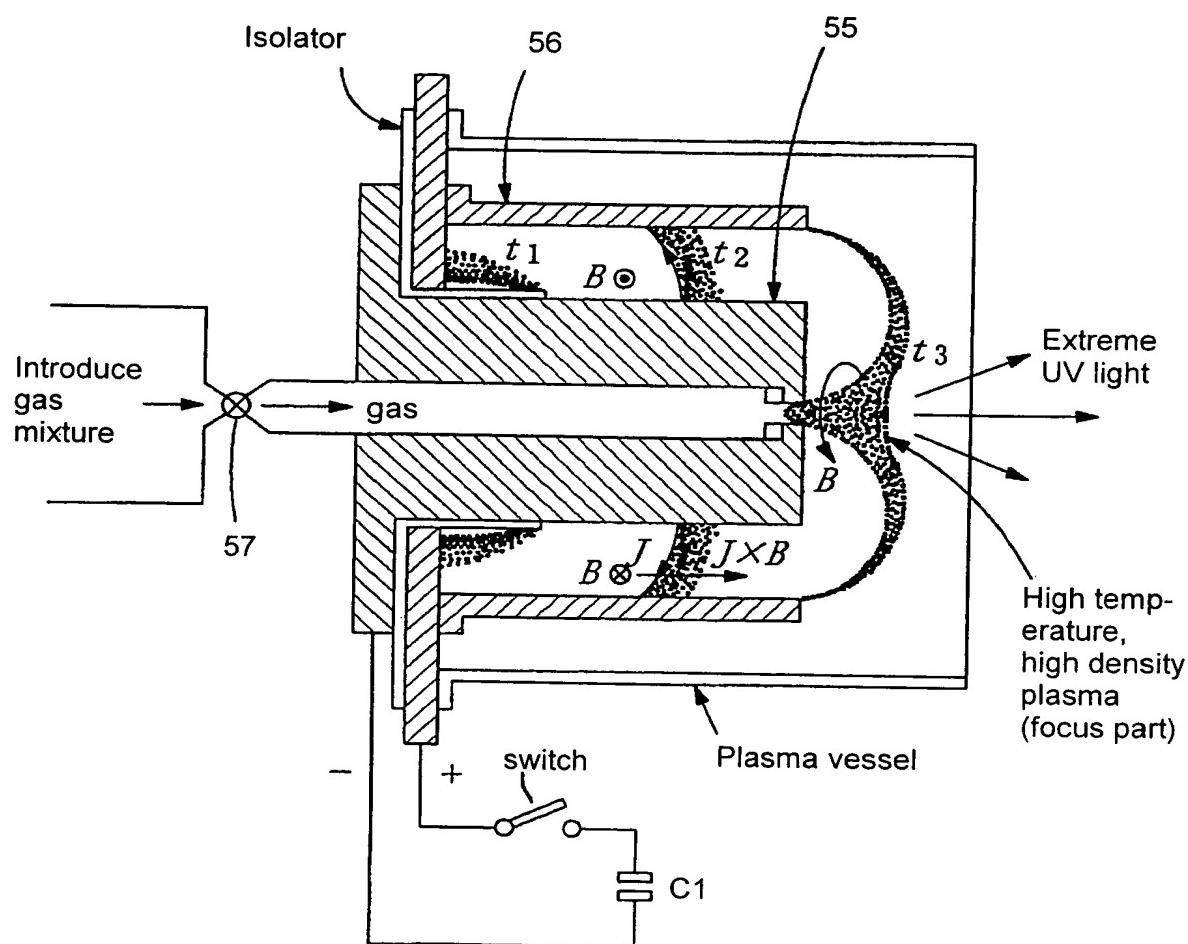


Fig. 10

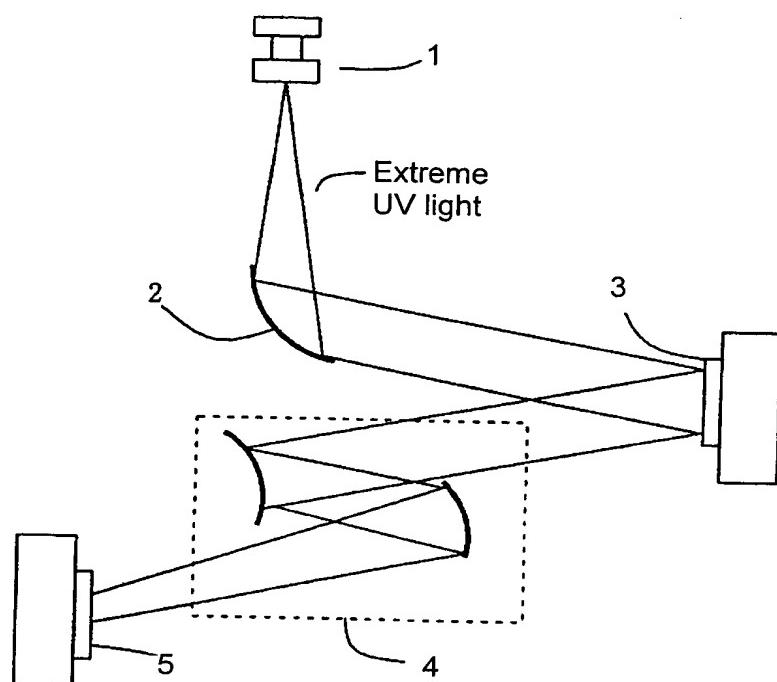
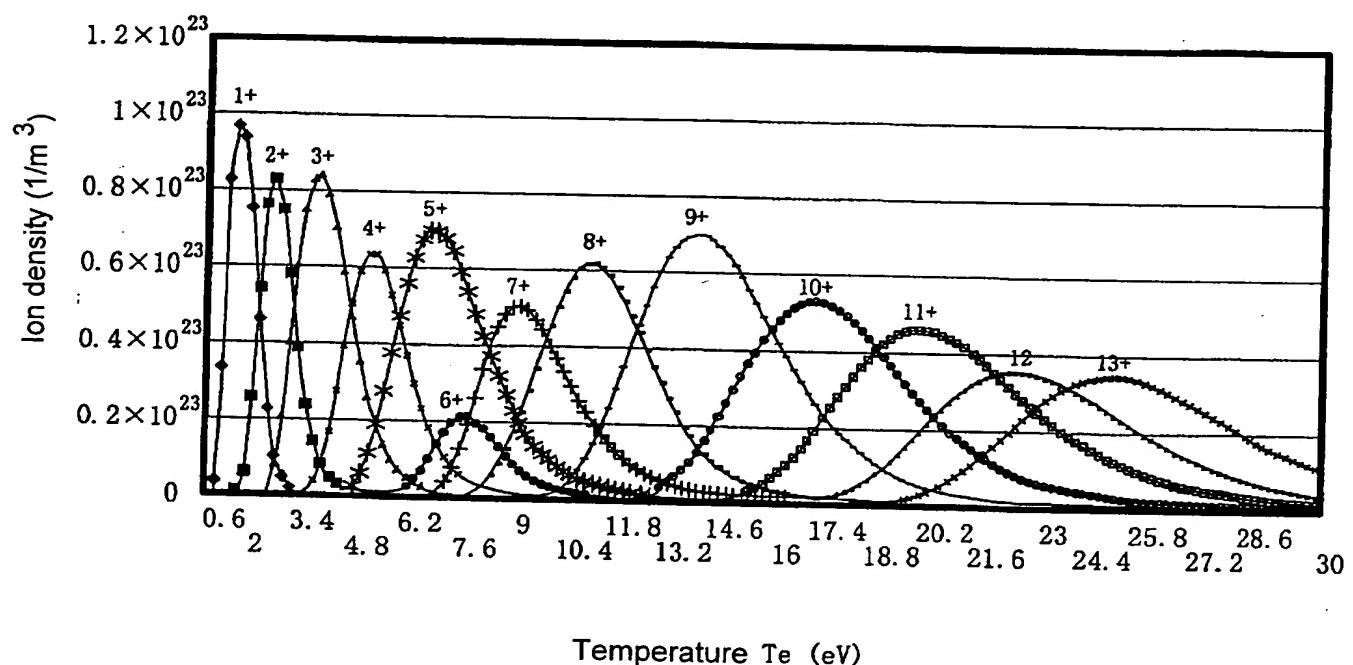


Fig. 11



1 2
1 3

Fig. 12

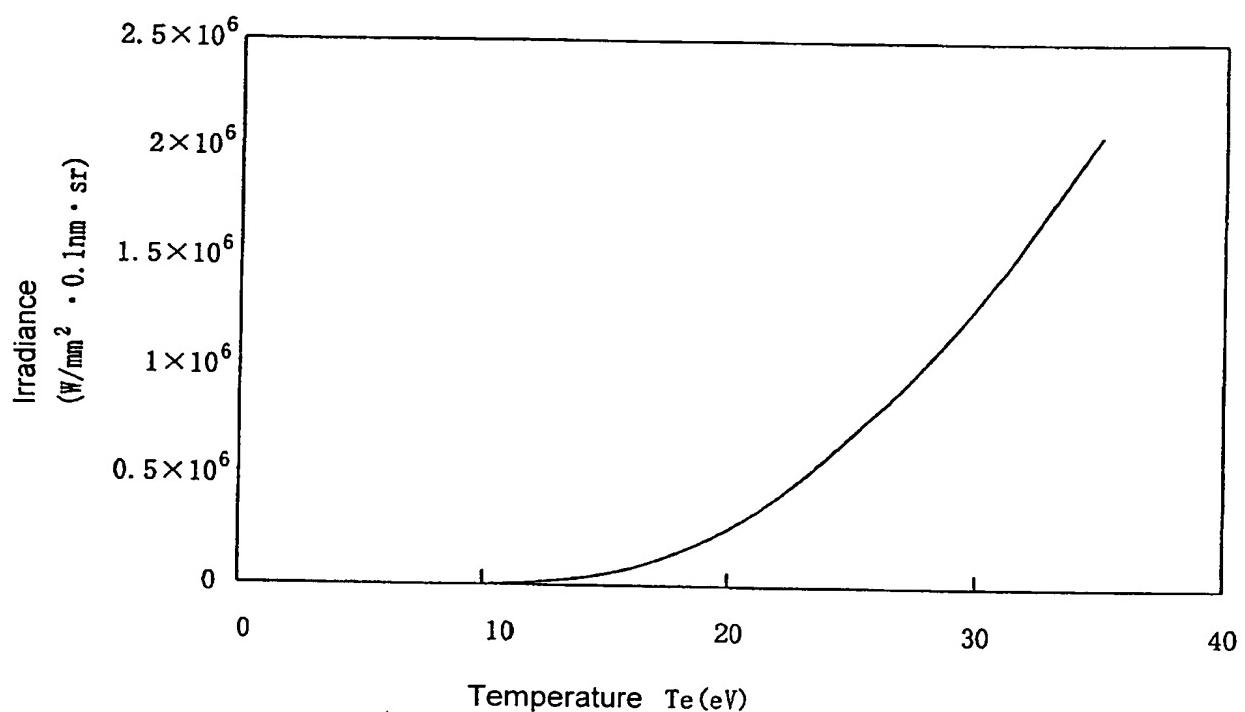


Fig. 13

	Absorption cross-sectional area of photons with 13.5 nm (Mb)	Number of electrons provided per atom or molecule at a temperature where the density of Xe^{10+} is maximum
Ne	4.0	ca. 6.5
Ar	1.4	ca. 8.0
Kr	1.2	ca. 9.5
N ₂	2.5	ca. 8.0
NH ₃	1.2	ca. 7.0
Xe	20.7	ca. 10.6
He	0.5	ca. 2.0